GE
Security

UltraView Monitor Series
Color TFT LCD monitor 26 in./ 32 in./ 42 in.
User manual

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Intended use

Use this product only for the purpose it was designed for; refer to the data sheet and user documentation. For the latest product information, contact your local supplier or visit us online at http://www.gesecurity.com/.

FCC Regulation CLASS B COMPUTING statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guaranty that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by on or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

European Union directives

The European directive "Waste Electrical and Electronic Equipment" (WEEE) aims to minimize the impact of electrical and electronic equipment waste on the environment and human health. For proper treatment, recovery, and recycling, you can return the equipment marked with this symbol to your local supplier upon the purchase of equivalent new equipment, or dispose of it in designated collection points. Further information can be found on the following website: *www.recyclethis.info*.

European representative for manufacture (EMC): GE Security B.V., Kelvinstraat 7, 6003 DH Weert, The Netherlands.

Regulatory

CE

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Preface

This is the UltraView Color TFT LCD monitor 26 in./ 32 in./ 42 in. User manual. Read these instructions and all ancillary documentation entirely before installing or operating this product.

Safety terms and symbols

These terms may appear in this manual:

CAUTION: Cautions identify conditions or practices that may result in damage to the equipment or other property.

WARNING: Warnings identify conditions or practices that could result in equipment damage or serious personal injury.

Important safeguards

1. **Read, follow, and retain these instructions:** All safety and user instructions should be read and followed before using this unit. Retain the instructions for future reference.

2. **Installation cautions:**

- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Do not insert any metal objects into the ventilation holes of the monitor case and be careful not to spill liquids over this product as this could result in severe injury.
- Always ensure that the monitor is located in a well-ventilated area to prevent the unit from overheating.
- Only use accessories specified by the manufacturer or those sold with the product.
- When standard base is not used, for safety reasons, please use the M4 screws with flat washers and spring washers provided, length between 8 to 10 mm.
- AVOID operating or placing the monitor in the following environments:
- Extremes of temperatures, both hot and cold.
    - High humidity.

- Direct sunlight.
- Excessively dusty surroundings.
- Avoid close proximity to other equipment that generates a strong magnetic field.

3. **Water and moisture:** Do not use this appliance near water. To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

4. **Power cord and power cord protection:** Power cords should be routed so that they not likely to be walked on or pinched. Pay particular attention to the location of cords and plugs, convenience receptacles, and the point of exit from the appliance.

   Do not overload the power cord or adapter.

   Do not put the power cord or signal cable in humid places.

5. **Product care:** Do not touch the screen directly with fingers. The oils from your skin may leave marks on the surface of the screen, which are difficult to be removed and may damage the screen permanently. Do not apply pressure to the LCD screen. The LCD is very delicate and fragile component.

6. **Cleaning:** Clean only with a dry cloth.

7. **Servicing:** Do not attempt to service this unit yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

   Unplug the unit from the main AC power source and refer servicing to qualified service personnel under the following conditions:

   - When the power-supply cord or plug is damaged.
   - If liquid has been spilled or an object has fallen into the unit.
   - If the unit has been exposed to rain or moisture.
   - If the unit does not operate normally.
   - If the unit has been dropped.

8. **Lightning:** For added protection during a lighting storm or when this unit is left unattended and unused for long periods of time, unplug the unit from the wall outlet and disconnect the cable system. This will prevent damage to the unit due to lightning and power line surges.

9. **Mains plug (2 pin/3 pin):**

    1. Do not remove the grounding or earth connection from the power supply / mains plug.

    2. Always remember to unplug the LCD monitor from the power supply under the following circumstances:

        - If the monitor will not be used for a long period of time.
        - If the power supply cable or plug / connector is damaged.
        - Please refer to the user manual when connecting and disconnecting the LCD monitor from any power supply or other systems and before making any adjustments to the monitor. In the event of any unexpected situation occurring whilst operating the monitor, please switch off the power supply and remove the power cable. If the problem is not explained in the user manual, please contact your local supplier.
        - If the monitor housing is damaged or broken.

CAUTION: Do not attempt to dismantle this product. Any attempt to dismantle or remove the covers from this product will invalidate the warranty and may also result in serious injury.

Introduction

This product uses 26 in./ 32 in./ 42 in. color active matrix TFT (thin-film transistor) monitor, providing high quality display images. The maximum achievable resolution is 1366 x 768, which enables complex and high quality images to be displayed. In addition, the monitor also provides access to the new OSD (On Screen Display) controls and has built-in multi-media speakers.

Product features

- High contrast color TFT LCD monitor supports VGA resolution up to resolution 1366 x 768, video signal resolution up to 500 TVL.
- Embedded video signal BNC terminal, S-Video terminal, and component signal RCA terminal and audio signal RCA jack.
- A complete OSD function optimizes the screen display.

Unpacking

Standard package includes the following:

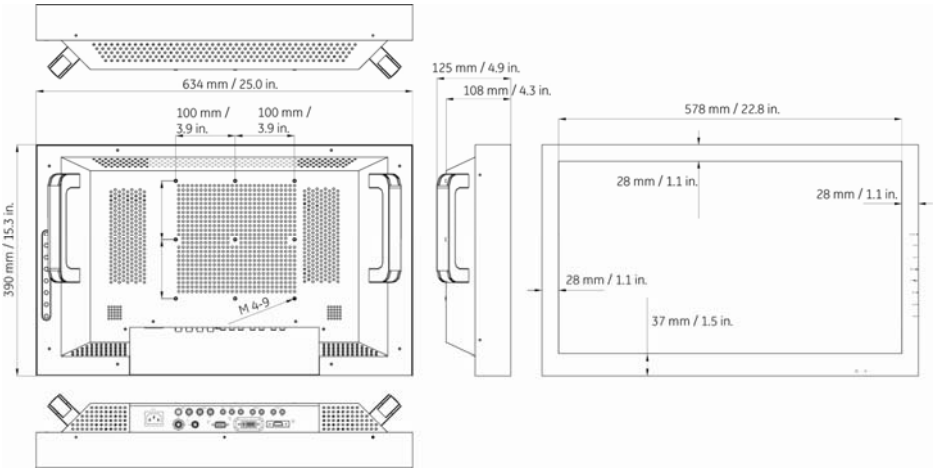
- 26 in./32 in./42 in. TFT LCD monitor
- Remote controller
- VGA cable
- DVI-I cable
- Support stand (optional)
- User manual

Cleaning the product

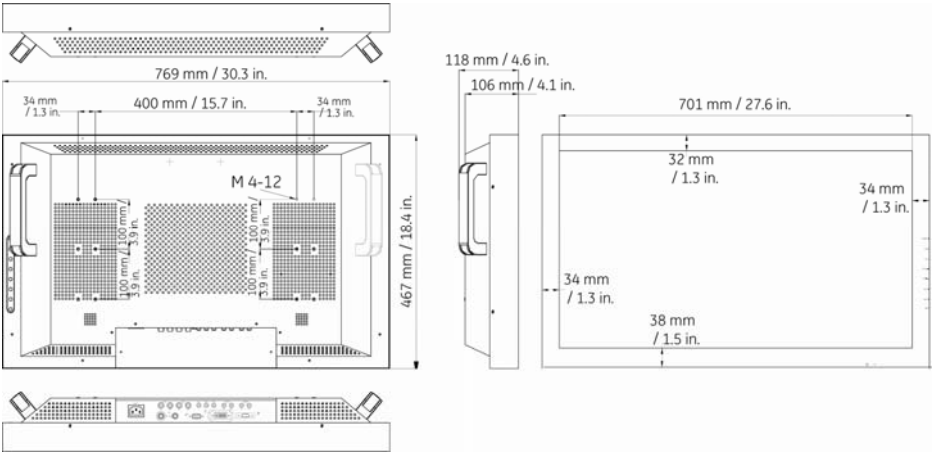
- To remove dust or dirt from the screen, use a soft clean cotton cloth and wipe gently.
- Do not apply pressure to the screen surface while wiping.
- Do not use any water or chemical detergent to clean the surface. Chemical detergents may damage the surface of the LCD.

Product dimensions

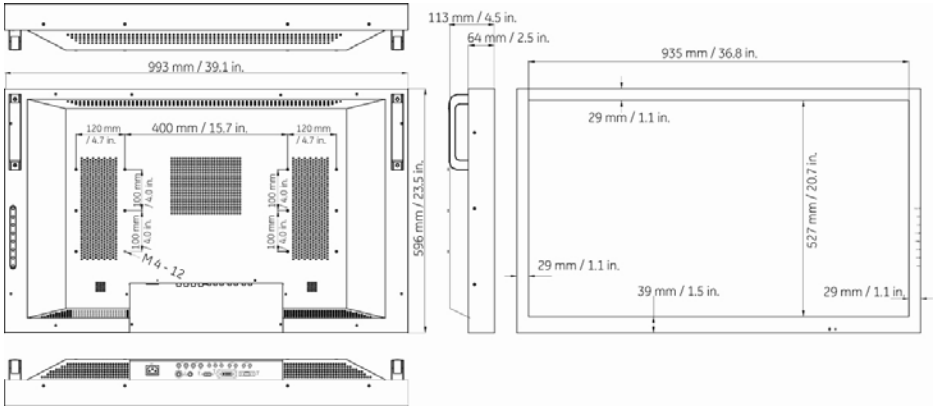
26 inch monitor



32 inch monitor



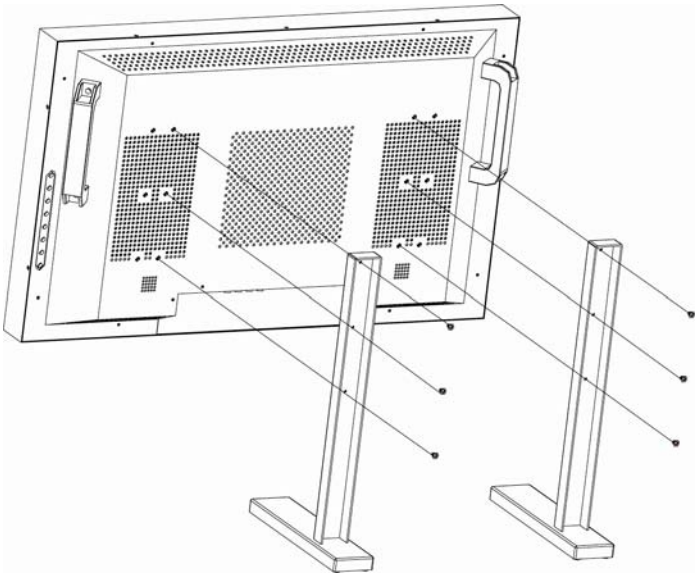
42 inch monitor



Installing the base stand

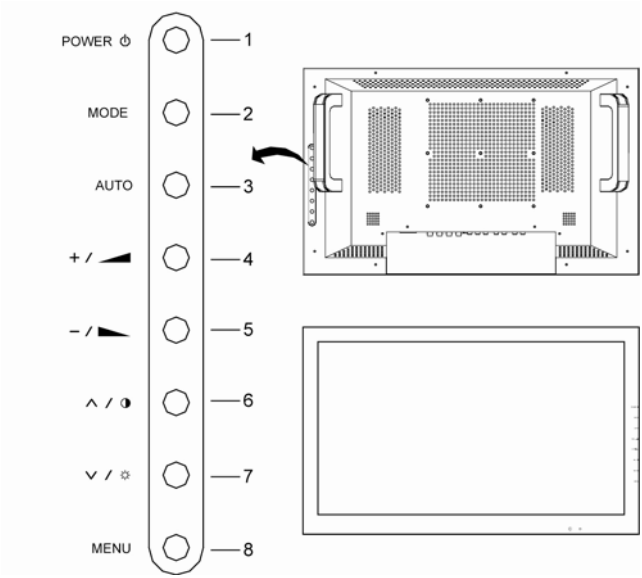
See Figure 1 for instructions.

Figure 1 Installing the base stand.



Control panel

Figure 2 Description of the control panel



1. **POWER:** Press to switch monitor on/off.
2. **MODE:** Press to select input signal. See note below.
3. **AUTO:** Press to auto adjust VGA signal.
4. **Plus (+):** Press to increase the value of the OSD option selected; Press to increase volume.
5. **Minus (-):** Press to decrease the value of the OSD option selected; Press to decrease volume.
6. **UP (Contrast):** Press to scroll up OSD option list; Press to adjust contrast.
7. **DOWN (Brightness):** Press to scroll down OSD option list; Press to adjust brightness.
8. **MENU:** Recall or close OSD display, enter option selection.

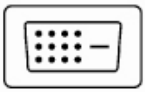
Note: When pressed initially, the OSD of the current signal is displayed. Before it disappears, press again to change the mode.

Operating instructions

Selecting the input signal

Press the **MODE** button to scroll through these options onscreen.

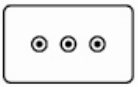
VGA signal



DVI signal

Composite signal

S-VIDEO signal



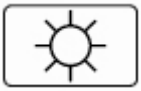
Component signal

Selecting the audio and video settings

Press the + / , − / , ∨ / ☼, or ∧ / ◑ buttons (located on the back of the monitor) to scroll through these options onscreen and quickly adjust the value.

Volume adjustment

Contrast adjustment



Brightness adjustment

Accessing the onscreen display (OSD) menus

1. Press the **MODE** button to select your input signal.
2. Press the **MENU** button to obtain the OSD menus for that input signal.
3. Press the UP ⮝ or DOWN ⮟ button to scroll the OSD list displayed.
4. Before the OSD disappears, press **MENU** again to accept the changes.

On-screen display (OSD) menus

1. Press the **MENU** button to obtain the OSD menus.
2. Before the OSD disappears, press **MENU** again to change the mode.
3. Press the UP ⮝ or DOWN ⮟ button to scroll the OSD list displayed.

VGA/DVI signal display

	1	Brightness	50
	2	Contrast	60
*	3	H-Position	50
*	4	V-Position	39
*	5	Clock	25
*	6	Phase	1
	7	Color Temp.	User Color
	8	User Color R	50
	9	User Color G	50
	10	User Color B	50
	11	OSD H-Pos.	50
	12	OSD V-Pos.	50
	13	PIP/POP	Off
	14	Volume	50
	15	Sub Source	Video 1
	16	PIP Size	Large
	17	PIP H-Pos.	0
	18	PIP V-Pos.	0
	19	Source Swap	
	20	Language	English
	21	Recall	

Items marked * have different values after auto-tuning. However, DVI cannot be adjusted.

Table 1 Description of VGA/DVI options

Menu options	Description
Brightness	Adjusts the background black level of the screen image.
Contrast	Adjusts the foreground white level of the screen image
H-Position	Adjusts the left or right position of the screen image.
V-Position	Adjusts the up or down position of the screen image
Clock	Adjusts the horizontal sync width of the screen image
Phase	Adjusts the clarity of the screen image.
Color Temp.	Press (+) or (-) to choose three types of color temperature 9300°K , 6500°K , User Color
User Color R	Adjusts the red color's intensity of the screen image
User Color G	Adjusts the green color's intensity of the screen image.
User Color B	Adjusts the blue color's intensity of the screen image.
OSD H-Pos.	Adjusts the left or right position of the OSD.
OSD V-Pos	Adjusts the up or down position of the OSD.
PIP/POP	View the video input screen image on the left-top screen. Press (+) or (-) to choose four types of PIP/POP: Composite , S-Video , Component , Off.
Volume	Adjusts the volume control.
Sub Source	Select the source of the sub picture.
PIP Size	Select the size of the sub picture.
PIP H-Pos	Adjust the left or right position of the sub picture.
PIP V-Pos	Adjust the up or down position of the sub picture.
Source Swap	Swap the picture in picture.
Language	Selects the language of the OSD text: English, Chinese, French, German, Spanish, Italian, or Japanese.
Recall	Press (+) or (-) recall the default value.

VIDEO (Composite / S-Video) signal display

	1	Color	60
	2	Tint	50
	3	Brightness	47
	4	Contrast	63
#	5	Sharpness	51
	6	Volume	50
	7	H-Position	50
	8	Language	English
*	9	Color Temp	Standard
	10	Scan	Over
	11	PIP/POP	Off
	12	Sub Source	Component
	13	PIP Size	Large
	14	PIP H-Pos	0
	15	PIP V-Pos	0
	16	Source Swap	
	17	Recall	

26 in. Sharpness defaul t value is 19.

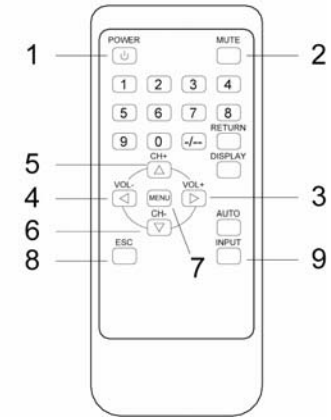
* Color Temp depends on the region.

Table 2 Description of VIDEO options

Menu options	Description
Color	Adjusts the color density.
Tint	Adjusts the color tint. (NTSC only)
Brightness	Adjusts background black level of the screen image.
Contrast	Adjusts foreground white level of the screen image.
Sharpness	Adjusts the clarity and focus of the screen image.
Volume	Adjusts the volume control.
H-Position	Adjusts the left or right position of the screen image
Language	Selects the language of the OSD text: English, Chinese, French, German, Spanish, Italian or Japanese.
Color Temp.	Press (+) or (-) to choose three types of color temperature 9300°K, 6500°K , Standard.

Menu options	Description
Scan	Press (+) or (-) to choose four type of over scan or under scan or full scan or 1 : 1 scan.
PIP/POP	View the video input screen image on the left-top screen. Press (+) or (-) to choose three types of PIP : VGA, DVI, Off.
Sub Source	Select the source of the sub picture.
PIP Size	Select the size of the sub picture
PIP H-Pos	Adjust the left or right position of the sub picture.
PIP V-Pos	Adjust the up or down position of the sub picture.
Source Swap	Swap the picture in picture.
Recall	Press (+) or (-) recall the default value.

Using the remote control



1. **Power Switch**: Press to switch monitor on / off.
2. **MUTE**: N/A.
3. **Plus (+)** : Press to increase volume. Press to increase the value of OSD option selected.
4. **Minus (-)**: Press to decrease volume. Press to decrease the value of OSD option selected.
5. **Up**: Scroll up the OSD options.
6. **Down**: Scroll down the OSD options.

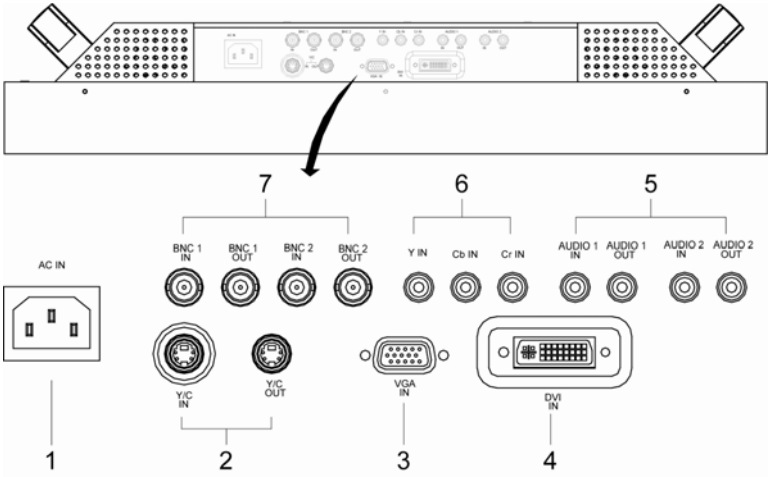
7. **Menu**: Recall or close OSD display, enter or return selection.
8. **ESC**: Quit selection.
9. **INPUT**: Select VGA, DVI, BNC1, BNC2, Y/C, Y Cb Cr.

Battery instructions

The remote control provided with the product comes with one lithium battery. To remove this battery, detach the control's back cover, replace it with another battery, and reattach the cover. For proper recycling, dispose of all batteries as required by local ordinances or regulations.

Connecting a video signal to the monitor

Figure 3 Input/Output interface



1 **AC IN connector**: Plug head of the power cord into a wall socket.

2 **Y/C IN/OUT** (4-Pin mini-Din): Connect to the Y/C I/O terminal of camera, VCR, or other video equipment.

3 **VGA IN**: Connect to an analog RGB output terminal such as the display card output VGA terminal of the personal computer.

4 **DVI IN**: Connect to an analog RGB output terminal such as the display card output DVI terminal of the personal computer.

5 **AUDIO IN/OUT (RCA type)**: Audio input/output terminal.

6 **VIDEO IN/OUT (BNC type)**: Connect to the output/input terminal of video equipment such as a VCR or a color video camera.

7 **Y Cb Cr In (RCA jack)**: Connect to the I/O terminal of video equipment such as a VCR or a color video camera.

For all channels: When you select a video signal screen without connecting any video signal, the message "No Signal" appears onscreen. When playing a video and the video signal is lost, the message "Video Loss" appears onscreen.

Note: It takes about 4 to 5 seconds to change mode. When the mode is changed, the monitor shows a blue screen then enters signal input, or shows the message “No Signal”.

CAUTION: AVOID directly pulling any cables when disconnecting devices from the monitor. Always disconnect devices carefully by firmly gripping the metal or plastic connector body and gently easing the connector from its socket.

Specifications

Model		26 in.	32 in.
Pixel pitch (H × V)		0.4215 × 0.4215 mm	0.51075 × 0.51075 mm
Maximum resolution	VGA / DVI	1366 × 768 pixel	1366 × 1024 pixel
	VIDEO	500 TVL	
Dimensions (W × H × D)		634 × 390 × 124 mm (24.9 × 15.3 × 4.8 in.)	769 × 467 × 118 (30.3 × 18.3 × 6.4 in.)
Packing dimensions (W × H × D)		755 × 655 × 335 mm (29.7 × 25.8 × 13.2 in.)	921 × 725 × 359 mm (36.2 × 28.5 × 14.1 in.)
Display mode		VGA, DVI, Composite, S-VIDEO, Component	
Signal connector		VGA In, DVI In, BNC1 In/Out, BNC2 In/Out, Y/C In/Out, Y/C In/Out, Y Cb Cr In, Audio1 In/Out, Audio2 In/Out	
Front control panel buttons		Power switch, LED indicator, Mode, Auto, Plus (volume increase), Minus (volume decrease), Up (contrast adjust), Down (brightness adjust), Menu	
OSD menu	VGA/DVI	Brightness, Contrast, H-Position, V-Position, Clock, Phase, Color Temp., User Color R.G.B, OSD H-Pos., OSD V-Pos., Volume, PIP Size/Pos., PIP/POP, Sub Source, PIP Size, PIP H-Pos, PIP V-Pos, Source Swap, Language, Recall	
	VIDEO	Color, Tint (NTSC only), Brightness, Contrast, Sharpness, Volume, H-Position, Color Temp., Scan, PIP/POP, Sub Source, PIP Size, PIP H-Pos, PIP V-Pos, Source Swap, Language, Recall	
Power input		AC Input : 100~240 V (±10%) , 50-60 Hz	
Operating conditions		Temperature: 0 to 40°C (0 to 104°F), Relative humidity: 10 to 90%	
Storage conditions		Temperature: -20 to +60°C (-4 to 140°F), Relative humidity: 10 to 90%	
Power consumption		100 W (max.)	190 W (max.)

Model		26 in.	32 in.
Weight	Net weight (adapter included)	11.42 kg (25.2 lb.)	21.0 kg (46.3 lb.)
	Gross weight	17.3 kg (38. lb.)	27.5 kg (60.6 lb.)

Model		42 in.
Pixel pitch (H × V)		0.681 × 0.681 mm
Maximum resolution	VGA / DVI	1366 × 768 pixel
	VIDEO	500 TVL
Dimensions (W × H × D)		993 × 597 × 113 mm (39.0 × 23.5 × 4.5 in.)
Packing dimensions (W × H × D)		519 × 507 × 244 mm (20.4 × 19.9 × 9.6 in.)
Display mode		VGA, DVI, Composite, S-VIDEO, Component
Signal connector		VGA In, DVI In, BNC1 In/Out, BNC2 In/Out, Y/C In/Out, Y/C In/Out, Y Cb Cr In, Audio1 In/Out, Audio2 In/Out
Front control panel buttons		Power switch, LED indicator, Mode, Auto, Plus (volume increase), Minus (volume decrease), Up (contrast adjust), Down (brightness adjust), Menu
OSD menu	VGA/DVI/HDMI	Brightness, Contrast, H-Position, V-Position, Clock, Phase, Color Temp., User Color R.G.B, OSD H-Pos., OSD V-Pos., Volume, PIP Size/Pos., PIP/POP, Sub Source, PIP Size,PIP H-Pos, PIP V-Pos, Source Swap, Language, Recall.
	VIDEO	Color, Tint (NTSC only), Brightness, Contrast, Sharpness, Volume, H-Position, Color Temp., Scan, PIP/POP, Sub Source,PIP Size,PIP H-Pos,PIP V-Pos,Source Swap, Language, Recall.
Power input		AC Input : 100~240 V (±10%) , 50-60 Hz
Operating conditions		Temperature: 0 to 40°C (0 to 104°F), Relative humidity: 10 to 90%
Storage conditions		Temperature: -20 to +60°C (-4 to 140°F), Relative humidity: 10 to 90%
Power consumption		250 W (max.)

Model		42 in.
Weight	Net weight (adapter included)	35.0 kg (77.1 lb.)
	Gross weight	43.1 kg (95.0 lb.)